Dong Guan Jin Qiao Ltd.

MATERIAL Saftey Data Sheet

IDENTTY(As Read On Label)	Notice:Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that
Battery R6	

Section i

Manufacturer's Name	Telephone Number
Dong Guan Jin Qiao Ltd.	0769-86318692
Address	Fax Number
DONG GUAN SHI SHI JIE ZHEN XIA YI CUN YI DE STREET 19	0769-866336821

Section ii —Hazerdous ingredinets/Identity Information

Hazerdou Components(Specific Chemical Identity, Common Names)	(contents,%)
Manganese Power	37.00
Acetylene Black	5.360
Zinc	30.80
Ammonium Chloride	6.60
Carbon Piece	7.40
Tinplate	1.17
Electrolyte	10.58
PVC	0.69
Steel hat	0.18

Section iii —Physical/Chemical Characteristics

Boiling point	Specific Gravity(H_2O=1)
$ZnCl_2$&NH_4Cl aqua solution 104℃	Zn=7.1, $ZnCl_2$=2.91, NH_4Cl=2.0
Vapor Pressure(mmHg)	Melting point
$ZnCl_2$ aqua solution = 3mmHg at 20℃	MnO_2 decompose at 535℃, Zn=420℃
NH_4Cl aqua solution = 2mmHg at 20℃	$ZnCl_2$ &NH_4Cl aqua =-2℃
Vapor density(Air=1)	Evaporation Rate (Butyl Acetate=1)

Solubility in Water

$ZnCl_2$&NH_4Cl —complete

Appearance and Color

MnO_2 is a black power, Acetylene Black is also a black powder, and Zinc is a sliver metal,

$Zncl_2$&NH_4Cl aqua is a colorless liquid with stimulative order.

Section IV —Fire and Explosion Hazard Data

Flash Point(Method Used)	Flammable Limit	LRL	UEL
Incompatible			

Extinguishing Media

Special Fire Fighting Procedure

Unusual Fire and Explosion Hazard

Dong Guan Jin Qiao Ltd.

Section V --Reactivity Data

Stability Unstable conditions to avoid
stable Do not short-circuit, charge or dispose of in fire

Incompatibility (Materials to Avoid) Hazardous polymerization will not occur

Hazbyerdous Decomposltion None

Hazardous May Occur Condtions to Avoid
Polymeriz Will Not Occur

Section VI --Health Hazard Data

Route(s) of Battery Skin? Yes Ingestion? Yes

Health Hazards(Aoute and chronic) These chemcials are cotained in a sealde occours, only if battery is mechanically or electrically abused.
Zn • NH_4Cl is acidic and attacks the skin and eyes, Contect of electrolyte with skin and eyes should bc avoided.

IARC Monographs? None OSHA regulated? None

Signs and Sympexious of Exposure $ZnCl_2$ & NH_4Cl can cause chemical bum upon contact with skin

Medical Conditions

Aggravate by Exposure An acute exposure will not gencrally aggravate any medical help

Emergency and First Aid Proceeding

In case of skin contect with content of battery, flush immediately with water. For eye contect, copious amount of water for 10 minutes. If imitation persists, get medical help.

Section VII Precautions for Safe Hazdling and Use

Steps to Bo Taken in Case Material in Released or spilled Wipe out by wet duster

Waste Disposal Mathod abandonment

Precautions to Be Taken in Handling And Storing Avoid mechanical or electrical abuse

Other Procautions Do not short cirult, charge or dispose of in fire,
Battory may explode or leak

Section IX --Control Mcasurc

Respiratory Protection(Specity type) None

Ventilation Local Exhaust Special
Mechanical Other

Protective Gloves Butyl Eye protcction Safety Glasses

Other Protctive Clothing or Equipment None

Work/Hygienic Practices